

ABSTRACT

An antimicrobial material comprising at least one yarn comprising fine fiber of 1.0 denier or less and at least one yarn comprising antimicrobial fiber that are engaged with each other, wherein the antimicrobial fibers impart an antimicrobial property to the entire material. In a preferred embodiment, the yarns of fine fiber and yarns of antimicrobial fiber are woven or knitted together. It is further preferred that the fine fiber be less than 0.3 denier, have a diameter of approximately 3 microns, and have a generally triangular cross-section with sharp edges, therefore allowing the fine fiber to substantially remove bacteria, fungi and other microbes from a surface. It is also preferred that the antimicrobial fibers comprise an acetate fiber spun together with polyester to give the antimicrobial fiber added strength.